

IN THE CLAIMS:

1. (currently amended) A lithium secondary battery comprising a positive electrode, a negative electrode including a carbon material as an active material, and a nonaqueous electrolyte comprising a solute dissolved in a nonaqueous solvent ~~in which,~~  
~~wherein the nonaqueous solvent consists of~~ ~~γ~~-butyrolactone ~~is the~~  
~~main solvent, wherein~~ the carbon material has a ratio  $(I_b/I_a)$  of a Raman spectrum intensity (R) obtained by Raman spectroscopy of 0.2 or greater, ~~an amount of~~ ~~γ~~-butyrolactone ~~in the nonaqueous solvent~~ ~~is not less than~~ 95 % by volume and the nonaqueous electrolyte includes at least 0.1 part by weight of vinylene carbonate and at least 0.1 part by weight of vinyl ethylene carbonate in 100 parts by weight of the nonaqueous electrolyte.

2 - 4. (canceled)

5. (original) The lithium secondary battery according to claim 1, wherein 0.1 ~ 3 parts by weight of vinylene carbonate and 0.1 ~ 8 parts by weight of vinyl ethylene carbonate are contained in the nonaqueous electrolyte.

6 - 8. (canceled)